Rebecca J. Dulin
Associate General Counsel

Duke Energy
1201 Main Street
Capital Center Building
Suite 1180
Columbia, SC 29201

o: 803.988.7130
f: 803.988.7123
Rebecca.Dulin@duke-energy.com

June 27, 2019

VIA ELECTRONIC FILING

The Honorable Jocelyn G. Boyd
Chief Clerk/Administrator
Public Service Commission of South Carolina
101 Executive Center Drive, Suite 100
Columbia, South Carolina 29210

RE: Duke Energy Progress, LLC – Monthly Fuel Report
Docket No. 2006-176-E

Dear Ms. Boyd:

Pursuant to the Commission's Orders in Docket No. 1977-354-E, enclosed for filing is Duke Energy Progress, LLC's Monthly Fuel Report in Docket No. 2006-176-E for the month of May 2019.

Should you have any questions regarding this matter, please do not hesitate to contact me at 803-988-7130

Sincerely,

Rebecca J. Dulin

Enclosure

cc: Service List

Duke Energy Progress
Summary of Monthly Fuel Report

Schedule 1

Line No.	Item		May 2019
1	Fuel and Fuel-related Costs excluding DERP incremental costs	$	132,999,796
	MWH sales:		
2	Total System Sales		5,086,932
3	Less intersystem sales		218,666
4	Total sales less intersystem sales		4,868,266
5	Total fuel and fuel-related costs (¢/KWH) (Line 1/Line 4)		2.7320
6	Current fuel & fuel-related cost component (¢/KWH) (per Schedule 4)		2.7027
	Generation Mix (MWH):		
	Fossil (By Primary Fuel Type):		
7	Coal		752,575
8	Oil		6,685
9	Natural Gas - Combustion Turbine		157,713
10	Natural Gas - Combined Cycle		986,257
11	Biogas		1,369
12	Total Fossil		1,904,599
13	Nuclear		2,697,275
14	Hydro - Conventional		65,479
15	Solar Distributed Generation		28,588
16	Total MWH generation		4,695,941

Note: Detail amounts may not add to totals shown due to rounding.

Schedule 2

Duke Energy Progress
Details of Fuel and Fuel-Related Costs

Description		May 2019
Fuel and Fuel-Related Costs:		
Steam Generation - Account 501		
0501110 coal consumed - steam	$	29,369,534
0501310 fuel oil consumed - steam		1,036,274
Total Steam Generation - Account 501		30,405,808
Nuclear Generation - Account 518		
0518100 burnup of owned fuel		16,627,248
Other Generation - Account 547		
0547000 natural gas consumed - Combustion Turbine		14,142,118
0547000 natural gas capacity - Combustion Turbine		2,737,679
0547000 natural gas consumed - Combined Cycle		13,055,136
0547000 natural gas capacity - Combined Cycle		7,192,913
0547106 biogas consumed - Combined Cycle		75,872
0547200 fuel oil consumed		237,751
Total Other Generation - Account 547		37,441,469
Purchased Power and Net Interchange - Account 555		
Fuel and fuel-related component of purchased power		43,884,842
Fuel and fuel-related component of DERP purchases		61,388
PURPA purchased power capacity		7,371,268
DERP purchased power capacity		13,457
Total Purchased Power and Net Interchange - Account 555		51,330,955
Less:		
Fuel and fuel-related costs recovered through intersystem sales		4,203,037
Solar Integration Charge		2,108
Total Fuel Credits - Accounts 447/456		4,205,145
Total Costs Included in Base Fuel Component	$	131,600,335
Environmental Costs		
0509030, 0509212, 0557451 emission allowance expense	$	812
0502020, 0502030, 0502040, 0502080, 0502090, 0548020 reagents expense		1,445,996
Emission Allowance Gains		-
Less reagents expense recovered through intersystem sales - Account 447		14,480
Less emissions expense recovered through intersystem sales - Account 447		32,866
Total Costs Included in Environmental Component		1,399,461
Fuel and Fuel-related Costs excluding DERP incremental costs	$	132,999,796
DERP Incremental Costs		242,765
Total Fuel and Fuel-related Costs	$	133,242,561

Notes: Detail amounts may not add to totals shown due to rounding.

DUKE ENERGY PROGRESS
PURCHASED POWER AND INTERCHANGE
SOUTH CAROLINA

MAY 2019

Purchased Power	Total	Capacity	Non-capacity		
Marketers, Utilities, Other	$	$	mWh	Fuel $	Non-fuel $
DE Carolinas - Emergency	$ (54,961)	-	-	$ (33,526)	$ (21,435)
Virginia Electric and Power Company - Emergency	115,953	-	1,275	70,595	45,358
Broad River Energy, LLC.	2,421,442	$ 1,644,917	14,498	776,525	-
City of Fayetteville	339,788	299,475	424	40,313	-
Haywood EMC	28,300	28,300	-	-	-
NCEMC	2,230,293	1,280,756	25,743	949,537	-
PJM Interconnection, LLC.	9,913	-	273	9,913	-
Southern Company Services	3,716,520	573,300	105,802	3,143,220	-
DE Carolinas - Native Load Transfer	6,576,202	-	270,590	6,510,512	65,690
DE Carolinas - Native Load Transfer Benefit	848,850	-	-	848,850	-
Energy Imbalance	964		57	1,002	(38)
Generation Imbalance	-		16	-	-
	$ 16,233,264	**$ 3,826,748**	**418,678**	**$ 12,316,941**	**$ 89,575**
Act 236 PURPA Purchases					
Renewable Energy	$ 20,740,557	-	304,513	$ 20,740,557	-
DERP Net Metering Excess Generation	696	-	16	696	-
DERP Qualifying Facilities	74,149	-	1,808	74,149	-
Other Qualifying Facilities	18,198,612	-	312,875	18,198,612	-
	$ 39,014,014	**$ -**	**619,212**	**$ 39,014,014**	**$ -**
Total Purchased Power	**$ 55,247,278**	**$ 3,826,748**	**1,037,890**	**$ 51,330,955**	**$ 89,575**

NOTE: Detail amounts may not add to totals shown due to rounding.

DUKE ENERGY PROGRESS
INTERSYSTEM SALES*
SOUTH CAROLINA

MAY 2019

	Total	Capacity	Non-capacity		
Sales	$	$	mWh	Fuel $	Non-fuel $
Utilities:					
DE Carolinas - Emergency	$ 127,500	-	1,275	$ 77,775	$ 49,725
Market Based:					
NCEMC Purchase Power Agreement	978,867	652,500	9,507	238,622	87,745
PJM Interconnection, LLC.	109,913	-	4,710	88,431	21,482
Other:					
DE Carolinas - Native Load Transfer Benefit	(13,235)	-	-	(13,235)	-
DE Carolinas - Native Load Transfer	3,955,076	-	203,138	3,858,302	96,774
Generation Imbalance	504	-	36	487	17
Total Intersystem Sales	**$ 5,158,625**	**$ 652,500**	**218,666**	**$ 4,250,382**	**$ 255,743**

* Sales for resale other than native load priority.

NOTE: Detail amounts may not add to totals shown due to rounding.

Duke Energy Progress
(Over) / Under Recovery of Fuel Costs
May 2019

Line No.			Total Residential	General Service Non-Demand	Demand	Lighting	Total
1	Actual System kWh sales	Input					4,868,265,517
2	DERP Net Metered kWh generation	Input					2,820,137
3	Adjusted System kWh sales	L1 + L2					4,871,085,654
4	Actual S.C. Retail kWh sales	Input	132,158,652	20,665,697	311,057,689	6,531,990	470,414,028
5	DERP Net Metered kWh generation	Input	1,284,051	24,076	1,512,011		2,820,137
6	Adjusted S.C. Retail kWh sales	L4 + L5	133,442,703	20,689,773	312,569,700	6,531,990	473,234,165
7	Actual S.C. Demand units (kw)	L32 / 31b *100			643,400		
	Base fuel component of recovery - non-capacity						
8	Incurred System base fuel - non-capacity expense	Input					$114,223,630
9	Eliminate avoided fuel benefit of S.C. net metering	Input					$90,413
10	Adjusted Incurred System base fuel - non-capacity expense	L8 + L9					$114,314,043
11	Adjusted Incurred System base fuel - non-capacity rate (¢/kWh)	L10 / L3 * 100					2.347
12	S.C. Retail portion of adjusted incurred system expense	L6 * L11 / 100	$3,131,617	$485,545	$7,335,348	$153,292	$11,105,802
13	Assign 100 % of Avoided Fuel Benefit of S.C net metering	Input	($55,068)	($5,755)	($29,590)	$0	($90,413)
14	S.C. Retail portion of incurred system expense	L12 + L13	$3,076,549	$479,790	$7,305,758	$153,292	$11,015,389
15	Billed base fuel - non-capacity rate (¢/kWh) - Note 1	Input	2.366	2.366	2.366	2.366	2.366
16	Billed base fuel - non-capacity revenue	L4 * L15 /100	$3,126,328	$488,950	$7,359,625	$154,547	$11,129,450
17	DERP NEM incentive - fuel component	Input	($13,878)	($1,451)	($7,457)	$0	($22,786)
18	Adjusted S.C. billed base fuel - non-capacity revenue	L16 + L17	$3,112,450	$487,499	$7,352,168	$154,547	$11,106,664
19	S.C. base fuel - non-capacity (over)/under recovery [See footnote]	L18 - L14	($35,901)	($7,709)	($46,410)	($1,255)	($91,275)
20	Adjustment	Input	($3,794)	($1,914)	$5,708	$0	$0
21	Total S.C. base fuel - non-capacity (over)/under recovery [See footnote]	L19 + L20	($39,695)	($9,623)	($40,702)	($1,255)	($91,275)
	Base fuel component of recovery - capacity						
22a	Incurred base fuel - capacity rates by class (¢/kWh)	L23 / L4 * 100	0.771	0.515			
22b	Incurred base fuel - capacity rate (¢/kW)	L23 / L7 * 100			85		
23	Incurred S.C. base fuel - capacity expense	Input	$1,018,286	$106,420	$547,149		$1,671,855
24a	Billed base fuel - capacity rates by class (¢/kWh)	Input	0.676	0.426			
24b	Billed base fuel - capacity rate (¢/kW)	Input			88		
25	Billed S.C. base fuel - capacity revenue	L24a * L4 /100	$893,050	$88,036	$ 566,183	$0	$1,547,269
26	S.C. base fuel - capacity (over)/under recovery [See footnote]	L25 - L23	$125,236	$18,384	($19,034)	$0	$124,586
27	Adjustment	Input	$0	$0	$0	$0	$0
28	Total S.C. base fuel - capacity (over)/under recovery [See footnote]	L26 + L27	$125,236	$18,384	($19,034)	$0	$124,586
	Environmental component of recovery						
29a	Incurred environmental rates by class (¢/kWh)	L30 / L4 * 100	0.062	0.042			
29b	Incurred environmental rate (¢/kW)	L30 / L7 * 100			7		
30	Incurred S.C. environmental expense	Input	$82,364	$8,608	$44,256		$135,228
31a	Billed environmental rates by class (¢/kWh)	Input	0.019	0.008			
31b	Billed environmental rate (¢/kW)	Input			1		
32	Billed S.C. environmental revenue	L31a * L4 /100	$24,916	$1,653	$ 6,434		$33,003
33	S.C. environmental (over)/under recovery [See footnote]	L32 - L30	$57,448	$6,955	$37,822	$0	$102,225
34	Adjustment	Input					$0
35	Total S.C. environmental (over)/under recovery [See footnote]	L33 + L34	$57,448	$6,955	$37,822	$0	$102,225
	Distributed Energy Resource Program component of recovery: avoided costs						
36a	Incurred S.C. DERP avoided cost rates by class (¢/kWh)	L37 / L4 * 100	0.003	0.002			
36b	Incurred S.C. DERP avoided cost rates by class (¢/kW)	L37 / L7 * 100			0.368		
37	Incurred S.C. DERP avoided cost expense	Input	$4,405	$460	$2,367		$7,232
38a	Billed S.C. DERP avoided cost rates by class (¢/kWh)	Input	0.003	0.001			
38b	Billed S.C. DERP avoided cost rates by class (¢/kW)	Input			0.000		
39	Billed S.C. DERP avoided cost revenue	L38a * L4 /100	$3,934	$207	$0		$4,141
40	S.C. DERP avoided cost (over)/under recovery [See footnote]	L39 - L37	$471	$253	$2,367	$0	$3,091
41	Adjustment	Input					
42	Total S.C. DERP avoided cost (over)/under recovery [See footnote]	L40 + L41	$471	$253	$2,367	$0	$3,091
43	Total (over)/under recovery [See footnote]	L21 + L28 + L35 + L42	$143,460	$15,969	($19,547)	($1,255)	$138,627

Year 2019-2020

Cumulative (over) / under recovery - BASE FUEL NON-CAPACITY	Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
Balance ending February 2019	$13,424,397					
March 2019 - actual	13,142,207	(113,956)	(15,296)	(148,555)	(4,383)	($282,190)
April 2019 - actual	12,482,712	(178,213)	(25,629)	(447,263)	(8,390)	(659,495)
May 2019 - actual	12,391,437	(39,695)	(9,623)	(40,702)	(1,255)	(91,275)
_/2 June 2019 - forecast	11,489,285	(287,187)	(44,627)	(557,033)	(13,305)	(902,152)
_/2 July 2019 - forecast	12,007,602	175,892	24,673	310,406	7,346	518,317
_/2 August 2019 - forecast	12,169,073	55,384	7,575	96,241	2,271	161,471
_/2 September 2019 - forecast	10,867,628	(443,018)	(61,089)	(778,903)	(18,435)	(1,301,445)
_/2 October 2019 - forecast	10,183,833	(208,221)	(33,951)	(431,333)	(10,290)	(683,795)
_/2 November 2019 - forecast	9,957,716	(67,740)	(11,192)	(143,741)	(3,444)	(226,117)
_/2 December 2019 - forecast	8,988,039	(350,470)	(43,139)	(562,593)	(13,475)	(969,677)
_/2 January 2020 - forecast	8,157,526	(338,116)	(34,710)	(447,007)	(10,680)	(830,513)
_/2 February 2020 - forecast	7,043,091	(449,048)	(47,035)	(603,928)	(14,424)	(1,114,435)
_/2 March 2020 - forecast	6,192,190	(315,215)	(38,779)	(485,292)	(11,615)	(850,901)
_/2 April 2020 - forecast	4,042,680	(677,876)	(108,128)	(1,331,673)	(31,833)	(2,149,510)
_/2 May 2020 - forecast	2,871,267	(331,416)	(61,776)	(760,065)	(18,156)	(1,171,413)
_/2 June 2020 - forecast	$ 2,702,169	($53,326)	($8,490)	($104,793)	($2,489)	($169,098)

Year 2019-2020

Cumulative (over) / under recovery - BASE FUEL CAPACITY	Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
Balance ending February 2019	$574,929					
March 2019 - actual	320,452	(158,950)	9,884	(105,411)	0	($254,477)
April 2019 - actual	800,238	332,772	51,683	95,331	0	479,786
May 2019 - actual	924,824	125,236	18,384	(19,034)	0	124,586
_/2 June 2019 - forecast	967,050	78,491	22,149	(58,414)	0	42,226
_/2 July 2019 - forecast	710,376	(224,798)	(15,954)	(15,922)	0	(256,674)
_/2 August 2019 - forecast	354,308	(255,471)	(15,886)	(84,711)	0	(356,068)
_/2 September 2019 - forecast	71,604	(168,856)	(8,769)	(105,079)	0	(282,704)
_/2 October 2019 - forecast	268,985	180,206	6,049	11,126	0	197,381
_/2 November 2019 - forecast	454,239	190,144	5,337	(10,227)	0	185,254
_/2 December 2019 - forecast	105,380	(243,895)	(3,619)	(101,345)	0	(348,859)
_/2 January 2020 - forecast	(434,678)	(574,205)	(6,512)	40,659	0	(540,058)
_/2 February 2020 - forecast	(956,972)	(506,119)	(3,085)	(13,090)	0	(522,294)
_/2 March 2020 - forecast	(1,058,120)	(108,014)	14,689	(7,823)	0	(101,148)
_/2 April 2020 - forecast	(674,453)	256,657	19,529	107,481	0	383,667
_/2 May 2020 - forecast	(321,214)	350,538	12,041	(9,340)	0	353,239
_/2 June 2020 - forecast	$ (343,894)	$66,293	($565)	($88,408)	$0	($22,680)

Year 2019-2020

Cumulative (over) / under recovery - ENVIRONMENTAL	Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
Balance ending February 2019	$199,207					
March 2019 - actual	275,991	40,490	5,702	30,592	0	$76,784
April 2019 - actual	324,903	24,694	3,770	20,448	0	48,912
May 2019 - actual	427,128	57,448	6,955	37,822	0	102,225
_/2 June 2019 - forecast	607,613	91,770	30,215	58,500	0	180,485
_/2 July 2019 - forecast	621,589	1,735	763	11,478	0	13,976
_/2 August 2019 - forecast	621,929	(3,301)	585	3,056	0	340
_/2 September 2019 - forecast	568,136	(31,749)	(2,586)	(19,458)	0	(53,793)
_/2 October 2019 - forecast	498,335	(35,480)	(5,289)	(29,032)	0	(69,801)
_/2 November 2019 - forecast	451,116	(19,873)	(3,838)	(23,508)	0	(47,219)
_/2 December 2019 - forecast	434,504	(12,901)	808	(4,519)	0	(16,612)
_/2 January 2020 - forecast	440,820	(22,042)	3,253	25,105	0	6,316
_/2 February 2020 - forecast	450,762	(13,629)	3,737	19,834	0	9,942
_/2 March 2020 - forecast	379,649	(47,707)	(2,388)	(21,018)	0	(71,113)
_/2 April 2020 - forecast	223,856	(91,875)	(10,585)	(53,333)	0	(155,793)
_/2 May 2020 - forecast	91,407	(65,502)	(9,693)	(57,254)	0	(132,449)
_/2 June 2020 - forecast	$ 18,317	($35,263)	($4,701)	($33,126)	$0	($73,090)

Year 2019-2020

Cumulative (over) / under recovery - DERP AVOIDED COSTS	Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
Balance ending February 2019	$19,285					
March 2019 - actual	17,378	(2,803)	(12)	908	0	($1,907)
April 2019 - actual	21,605	1,112	352	2,763	0	4,227
May 2019 - actual	24,696	471	253	2,367	0	3,091
_/2 June 2019 - forecast	$24,448	(2,014)	76	1,690	0	(248)
_/2 July 2019 - forecast	20,187	(3,139)	(504)	(618)	0	(4,261)
_/2 August 2019 - forecast	15,495	(3,316)	(511)	(865)	0	(4,692)
_/2 September 2019 - forecast	11,334	(2,832)	(460)	(869)	0	(4,161)
_/2 October 2019 - forecast	9,056	(1,396)	(387)	(495)	0	(2,278)
_/2 November 2019 - forecast	6,966	(1,206)	(367)	(517)	0	(2,090)
_/2 December 2019 - forecast	3,123	(2,767)	(373)	(703)	0	(3,843)
_/2 January 2020 - forecast	5,881	416	92	2,250	0	2,758
_/2 February 2020 - forecast	8,899	784	116	2,118	0	3,018
_/2 March 2020 - forecast	12,883	1,935	135	1,914	0	3,984
_/2 April 2020 - forecast	19,111	3,649	170	2,409	0	6,228
_/2 May 2020 - forecast	25,622	4,259	157	2,095	0	6,511
_/2 June 2020 - forecast	$ 29,850	$2,612	$51	$1,565	$0	$4,228

Duke Energy Progress
(Over) / Under Recovery of Fuel Costs
May 2019

Line No.			Residential	Commercial	Industrial	Total
Distributed Energy Resource Program component of recovery: incremental costs						
44	Incurred S.C. DERP incremental expense	Input	$147,862	$58,529	$36,374	$242,765
45	Billed S.C. DERP incremental rates by account ($/account)	Input	0.72	1.26	99.55	
46	Billed S.C. DERP incremental revenue	Input	$100,119	$40,889	$26,600	$167,608
47	S.C. DERP incremental (over)/under recovery [See footnote]	L44 - L46	$47,743	$17,640	$9,774	$75,157
48	Adjustment	Input				
49	Total S.C. DERP incremental (over)/under recovery [See footnote]	L47 + L48	$47,743	$17,640	$9,774	$75,157

Year 2019-2020

	Cumulative (over) / under recovery	Cumulative	Total
	Balance ending February 2019	$6,239	
	March 2019 - actual	107,362	$101,123
	April 2019 - actual	(62,019)	(169,381)
	May 2019 - actual	13,138	75,157
_/2	June 2019 - forecast	$87,234	74,096
_/2	July 2019 - forecast	$118,398	31,164
_/2	August 2019 - forecast	$143,430	25,032
_/2	September 2019 - forecast	$162,176	18,746
_/2	October 2019 - forecast	$180,268	18,092
_/2	November 2019 - forecast	$183,109	2,841
_/2	December 2019 - forecast	$178,076	(5,033)
_/2	January 2020 - forecast	$171,365	(6,711)
_/2	February 2020 - forecast	$167,920	(3,445)
_/2	March 2020 - forecast	$189,933	22,013
_/2	April 2020 - forecast	$231,574	41,641
_/2	May 2020 - forecast	$275,693	44,119
_/2	June 2020 - forecast	$324,067	$48,374

Notes:

Detail amounts may not recalculate due to percentages presented as rounded.

Presentation of over or under collected amounts reflects a regulatory asset or liability. Over collections, or regulatory liabilities, are shown as negative amounts.
Under collections, or regulatory assets, are shown as positive amounts.

_/1 Total residential billed fuel rate is a composite rate reflecting the approved residential rate of 2.384 and RECD 5% discount.

_/2 Forecast amounts based on low end of range of expected fuel rates.

Description	Weatherspoon CT	Lee CC	Sutton CC/CT	Robinson Nuclear	Asheville Steam	Asheville CT	Roxboro Steam	Mayo Steam
Cost of Fuel Purchased ($)								
Coal	-	-	-	-	$2,995,033	-	$15,303,096	$9,184,950
Oil	-	-	-	12,626	844,702	-	415,902	431,388
Gas - CC	-	6,260,894	12,188,775	-	-	-	-	-
Gas - CT	16	-	457,567	-	-	2,274,172	-	-
Biogas	-	-	-	-	-	-	-	-
Total	16	$6,260,894	$12,646,342	12,626	$3,839,735	$2,274,172	$15,718,998	$9,616,338
Average Cost of Fuel Purchased (¢/MBTU)								
Coal	-	-	-	-	269.26	-	280.42	292.50
Oil	-	-	-	1,231.80	1,496.13	-	1,497.61	1,498.29
Gas - CC	-	485.29	434.42	-	-	-	-	-
Gas - CT	-	-	463.50	-	-	3,156.25	-	-
Biogas	-	-	-	-	-	-	-	-
Weighted Average	-	485.29	435.41	1,231.80	328.53	3,156.25	286.58	303.45
Cost of Fuel Burned ($)								
Coal	-	-	-	-	$4,500,304	-	$17,712,162	$7,157,068
Oil - CC	-	-	-	-	-	-	-	-
Oil - Steam/CT	-	-	-	-	119,288	234,741	377,905	539,081
Gas - CC	-	6,260,894	12,188,775	-	-	-	-	-
Gas - CT	16	-	457,567	-	-	2,274,172	-	-
Biogas	-	-	-	-	-	-	-	-
Nuclear	-	-	-	3,270,153	-	-	-	-
Total	$16	$6,260,894	$12,646,342	$3,270,153	$4,619,592	$2,508,913	$18,090,067	$7,696,149
Average Cost of Fuel Burned (¢/MBTU)								
Coal	-	-	-	-	332.92	-	363.73	330.88
Oil - CC	-	-	-	-	-	-	-	-
Oil - Steam/CT	-	-	-	-	1,533.66	1,533.75	1,503.50	1,516.44
Gas - CC	-	485.29	434.42	-	-	-	-	-
Gas - CT	-	-	463.50	-	-	3,156.25	-	-
Biogas	-	-	-	-	-	-	-	-
Nuclear	-	-	-	55.67	-	-	-	-
Weighted Average	-	485.29	435.41	55.67	339.79	2,871.99	369.58	350.05
Average Cost of Generation (¢/kWh)								
Coal	-	-	-	-	3.99	-	3.86	3.96
Oil - CC	-	-	-	-	-	-	-	-
Oil - Steam/CT	-	-	-	-	18.41	22.97	16.66	18.16
Gas - CC	-	3.65	3.08	-	-	-	-	-
Gas - CT	-	-	5.06	-	-	35.23	-	-
Biogas	-	-	-	-	-	-	-	-
Nuclear	-	-	-	0.57	-	-	-	-
Weighted Average	-	3.65	3.12	0.57	4.08	33.55	3.92	4.19
Burned MBTU's								
Coal	-	-	-	-	1,351,753	-	4,869,620	2,163,049
Oil - CC	-	-	-	-	-	-	-	-
Oil - Steam/CT	-	-	-	-	7,778	15,305	25,135	35,549
Gas - CC	-	1,290,128	2,805,773	-	-	-	-	-
Gas - CT	-	-	98,720	-	-	72,053	-	-
Biogas	-	-	-	-	-	-	-	-
Nuclear	-	-	-	5,873,930	-	-	-	-
Total	-	1,290,128	2,904,493	5,873,930	1,359,531	87,358	4,894,755	2,198,598
Net Generation (mWh)								
Coal	-	-	-	-	112,657	-	459,291	180,627
Oil - CC	-	-	-	-	-	-	-	-
Oil - Steam/CT	-	-	-	-	648	1,022	2,268	2,969
Gas - CC	-	171,360	396,360	-	-	-	-	-
Gas - CT	(77)	-	9,039	-	-	6,456	-	-
Biogas	-	-	-	-	-	-	-	-
Nuclear	-	-	-	571,329	-	-	-	-
Hydro (Total System)								
Solar (Total System)								
Total	(77)	171,360	405,399	571,329	113,305	7,478	461,559	183,596
Cost of Reagents Consumed ($)								
Ammonia	-	-	-	-	-	-	$155,885	$36,370
Limestone	-	-	-	-	155,500	-	446,578	284,941
Re-emission Chemical	-	-	-	-	-	-	-	-
Sorbents	-	-	-	-	8,120	-	138,412	120,700
Urea	-	-	-	-	84,804	-	-	-
Total	-	-	-	-	$248,424	-	$740,874	442,011

Notes:

Detail amounts may not add to totals shown due to rounding.

Schedule excludes in-transit, terminal and tolling agreement activity.

Cents/MBTU and cents/kWh are not computed when costs and/or net generation is negative.

Lee and Wayne oil burn is associated with inventory consumption shown on Schedule 6 for Wayne.

Description	Brunswick Nuclear	Blewett CT	Wayne County CT	Darlington CT	Smith Energy Complex CC/CT	Harris Nuclear	Current Month	Total 12 ME May 2019
Cost of Fuel Purchased ($)								
Coal	-	-	-	-	-	-	$27,483,079	$343,547,208
Oil	25,422	-	-	-	-	33,690	1,763,730	18,194,077
Gas - CC	-	-	-	-	1,798,380	-	20,248,049	565,137,959
Gas - CT	-	-	1,068,274	80,667	12,999,101	-	16,879,797	166,918,521
Biogas	-	-	-	-	197,536	-	197,536	1,163,313
Total	25,422	-	$1,068,274	$80,667	$14,797,481	33,690	$66,572,191	$1,094,961,078
Average Cost of Fuel Purchased (¢/MBTU)								
Coal	-	-	-	-	-	-	283.05	343.05
Oil	1,231.69	-	-	-	-	1,605.05	1,492.03	1,508.72
Gas - CC	-	-	-	-	330.85	-	436.43	416.95
Gas - CT	-	-	324.75	364.10	344.88	-	393.37	377.90
Biogas	-	-	-	-	2,853.74	-	2,853.74	2,910.68
Weighted Average	1,231.69	-	324.75	364.10	347.13	1,605.05	354.76	389.52
Cost of Fuel Burned ($)								
Coal	-	-	-	-	-	-	$29,369,534	$310,823,673
Oil - CC	-	-	-	-	-	-	-	2,145
Oil - Steam/CT	-	-	-	3,010	-	-	1,274,025	16,366,787
Gas - CC	-	-	-	-	1,798,380	-	20,248,049	565,137,959
Gas - CT	-	-	1,068,274	80,667	12,999,101	-	16,879,797	166,918,521
Biogas	-	-	-	-	197,536	-	197,536	1,163,313
Nuclear	8,500,573	-	-	-	-	4,856,522	16,627,248	181,351,961
Total	$8,500,573	-	$1,068,274	$83,677	14,995,017.00	$4,856,522	$84,596,189	$1,241,764,359
Average Cost of Fuel Burned (¢/MBTU)								
Coal	-	-	-	-	-	-	350.29	335.68
Oil - CC	-	-	-	-	-	-	-	1,650.00
Oil - Steam/CT	-	-	-	1,729.89	-	-	1,517.76	1,584.19
Gas - CC	-	-	-	-	330.85	-	436.43	416.95
Gas - CT	-	-	324.75	364.10	344.88	-	393.37	377.90
Biogas	-	-	-	-	2,853.74	-	2,853.74	2,910.68
Nuclear	57.44	-	-	-	-	64.95	59.07	61.87
Weighted Average	57.44	-	324.75	374.75	347.13	64.95	185.70	219.20
Average Cost of Generation (¢/kWh)								
Coal	-	-	-	-	-	-	3.90	3.79
Oil - CC	-	-	-	-	-	-	-	17.88
Oil - Steam/CT	-	-	-	-	-	-	19.06	22.17
Gas - CC	-	-	-	-	0.43	-	2.05	2.99
Gas - CT	-	-	3.71	5.31	11.61	-	10.70	4.23
Biogas	-	-	-	-	14.43	-	14.43	20.58
Nuclear	0.61	-	-	-	-	0.67	0.62	0.65
Weighted Average	0.61	-	3.71	6.20	2.82	0.67	1.80	2.06
Burned MBTU's								
Coal	-	-	-	-	-	-	8,384,422	92,595,083
Oil - CC	-	-	-	-	-	-	-	130
Oil - Steam/CT	-	-	-	174	-	-	83,941	1,033,134
Gas - CC	-	-	-	-	543,557	-	4,639,458	135,541,209
Gas - CT	-	-	328,950	22,155	3,769,192	-	4,291,070	44,170,504
Biogas	-	-	-	-	6,922	-	6,922	39,967
Nuclear	14,797,922	-	-	-	-	7,477,693	28,149,545	293,109,994
Total	14,797,922	-	328,950	22,329	4,319,671	7,477,693	45,555,358	566,490,021
Net Generation (mWh)								
Coal	-	-	-	-	-	-	752,575	8,191,795
Oil - CC	-	-	-	-	-	-	-	12
Oil - Steam/CT	-	(52)	-	(170)	-	-	6,685	73,808
Gas - CC	-	-	-	-	418,537	-	986,257	18,895,343
Gas - CT	-	-	28,815	1,520	111,960	-	157,713	3,945,082
Biogas	-	-	-	-	1,369	-	1,369	5,653
Nuclear	1,404,967	-	-	-	-	720,979	2,697,275	28,023,564
Hydro (Total System)							65,479	821,657
Solar (Total System)							28,588	230,478
Total	1,404,967	(52)	28,815	1,350	531,866	720,979	4,695,941	60,187,393
Cost of Reagents Consumed ($)								
Ammonia	-	-	-	-	$14,687	-	$206,941	$1,747,386
Limestone	-	-	-	-	-	-	887,019	11,321,255
Re-emission Chemical	-	-	-	-	-	-	-	63,945
Sorbents	-	-	-	-	-	-	267,232	3,126,905
Urea	-	-	-	-	-	-	84,804	1,246,519
Total	-	-	-	-	$14,687	-	$1,445,996	$17,506,010

Duke Energy Progress **Schedule 6**
Fuel & Fuel-related Consumption and Inventory Report **Page 1 of 3**
May 2019

Description	Weatherspoon	Lee	Sutton	Robinson	Asheville
Coal Data:					
Beginning balance	-	-	-	-	86,054
Tons received during period	-	-	-	-	44,837
Inventory adjustments	-	-	-	-	-
Tons burned during period	-	-	-	-	54,493
Ending balance	-	-	-	-	76,398
MBTUs per ton burned	-	-	-	-	24.81
Cost of ending inventory ($/ton)	-	-	-	-	82.58
Oil Data:					
Beginning balance	668,992	-	2,623,651	78,040	2,871,085
Gallons received during period	-	-	-	7,427	409,124
Miscellaneous use and adjustments	-	-	-	-	(4,270)
Gallons burned during period	-	-	-	7,427	167,906
Ending balance	668,992	-	2,623,651	78,040	3,108,033
Cost of ending inventory ($/gal)	2.23	-	2.80	2.38	2.11
Natural Gas Data:					
Beginning balance	-	-	-	-	-
MCF received during period	-	1,254,662	2,818,247	-	69,988
MCF burned during period	-	1,254,662	2,818,247	-	69,988
Ending balance	-	-	-	-	-
Biogas Data:					
Beginning balance	-	-	-	-	-
MCF received during period	-	-	-	-	-
MCF burned during period	-	-	-	-	-
Ending balance	-	-	-	-	-
Limestone/Lime Data:					
Beginning balance	-	-	-	-	17,390
Tons received during period	-	-	-	-	798
Inventory adjustments	-	-	-	-	-
Tons consumed during period	-	-	-	-	2,976
Ending balance	-	-	-	-	15,212
Cost of ending inventory ($/ton)	-	-	-	-	50.61

Notes:
Detail amounts may not add to totals shown due to rounding.
Schedule excludes in-transit, terminal and tolling agreement activity.
Gas is burned as received; therefore, inventory balances are not maintained.
The oil inventory data for Wayne reflects the common usage of the oil tank used for both Wayne and Lee units.

Duke Energy Progress **Schedule 6**
Fuel & Fuel-related Consumption and Inventory Report **Page 2 of 3**
May 2019

Description	Roxboro	Mayo	Brunswick	Blewett	Wayne County
Coal Data:					
Beginning balance	1,165,362	422,834	-	-	-
Tons received during period	216,644	127,071	-	-	-
Inventory adjustments	-	-	-	-	-
Tons burned during period	194,354	86,751	-	-	-
Ending balance	1,187,652	463,154	-	-	-
MBTUs per ton burned	25.06	24.93	-	-	-
Cost of ending inventory ($/ton)	91.12	82.50	-	-	-
Oil Data:					
Beginning balance	63,298	302,300	163,007	785,418	11,924,861
Gallons received during period	201,241	208,640	14,954	-	-
Miscellaneous use and adjustments	(7,458)	(5,290)	-	-	-
Gallons burned during period	182,152	257,567	6,538	-	-
Ending balance	74,929	248,083	171,423	785,418	11,924,861
Cost of ending inventory ($/gal)	2.07	2.09	2.38	2.37	2.40
Natural Gas Data:					
Beginning balance	-	-	-	-	-
MCF received during period	-	-	-	-	319,183
MCF burned during period	-	-	-	-	319,183
Ending balance	-	-	-	-	-
Biogas Data:					
Beginning balance	-	-	-	-	-
MCF received during period	-	-	-	-	-
MCF burned during period	-	-	-	-	-
Ending balance	-	-	-	-	-
Limestone/Lime Data:					
Beginning balance	76,087	16,946	-	-	-
Tons received during period	11,901	1,784	-	-	-
Inventory adjustments	-	-	-	-	-
Tons consumed during period	10,733	5,468	-	-	-
Ending balance	77,255	13,262	-	-	-
Cost of ending inventory ($/ton)	39.11	51.24	-	-	-

Duke Energy Progress
Fuel & Fuel-related Consumption and Inventory Report
May 2019

Schedule 6
Page 3 of 3

Description	Darlington	Smith Energy Complex	Harris	Current Month	Total 12 ME May 2019
Coal Data:					
Beginning balance	-	-	-	1,674,250	1,480,705
Tons received during period	-	-	-	388,552	3,974,332
Inventory adjustments	-	-	-	-	(53,917)
Tons burned during period	-	-	-	335,598	3,673,916
Ending balance	-	-	-	1,727,204	1,727,204
MBTUs per ton burned	-	-	-	24.98	25.20
Cost of ending inventory ($/ton)	-	-	-	88.43	88.43
Oil Data:					
Beginning balance	10,404,250	8,174,365	272,031	38,331,298	37,721,766
Gallons received during period	-	-	15,207	856,593	8,738,629
Miscellaneous use and adjustments	-	-	-	(17,018)	(193,228)
Gallons burned during period	1,258	-	-	622,848	7,719,142
Ending balance	10,402,992	8,174,365	287,238	38,548,025	38,548,025
Cost of ending inventory ($/gal)	2.39	2.33	2.38	2.38	2.38
Natural Gas Data:					
Beginning balance	-	-	-	-	-
MCF received during period	21,533	4,186,210	-	8,669,823	174,770,781
MCF burned during period	21,533	4,186,210	-	8,669,823	174,770,781
Ending balance	-	-	-	-	-
Biogas Data:					
Beginning balance	-	-	-	-	-
MCF received during period	-	6,719	-	6,719	38,921
MCF burned during period	-	6,719	-	6,719	38,921
Ending balance	-	-	-	-	-
Limestone/Lime Data:					
Beginning balance	-	-	-	110,423	137,212
Tons received during period	-	-	-	14,483	213,581
Inventory adjustments	-	-	-	-	(3,989)
Tons consumed during period	-	-	-	19,177	241,075
Ending balance	-	-	-	105,729	105,729
Cost of ending inventory ($/ton)	-	-	-	42.29	42.29

Schedule 7

DUKE ENERGY PROGRESS

ANALYSIS OF COAL PURCHASED

MAY 2019

STATION	TYPE	QUANTITY OF TONS DELIVERED	DELIVERED COST	DELIVERED COST PER TON
ASHEVILLE	SPOT	24	$ 6,708	$ 279.50
	CONTRACT	44,813	2,895,604	64.62
	FIXED TRANSPORTATION/ADJUSTMENTS	-	92,721	-
	TOTAL	44,837	2,995,033	66.80
MAYO	SPOT	51,054	3,868,944	75.78
	CONTRACT	76,017	5,210,870	68.55
	FIXED TRANSPORTATION/ADJUSTMENTS	-	105,136	-
	TOTAL	127,071	9,184,950	72.28
ROXBORO	SPOT	63,275	4,599,179	72.69
	CONTRACT	153,369	10,034,823	65.43
	FIXED TRANSPORTATION/ADJUSTMENTS	-	669,094	-
	TOTAL	216,644	15,303,096	70.64
ALL PLANTS	SPOT	114,353	8,474,831	74.11
	CONTRACT	274,199	18,141,297	66.16
	FIXED TRANSPORTATION/ADJUSTMENTS	-	866,951	-
	TOTAL	388,552	$ 27,483,079	$ 70.73

Schedule 8

DUKE ENERGY PROGRESS

ANALYSIS OF COAL QUALITY RECEIVED

MAY 2019

STATION	PERCENT MOISTURE	PERCENT ASH	HEAT VALUE	PERCENT SULFUR
ASHEVILLE	7.09	9.99	12,404	2.44
MAYO	6.56	11.08	12,356	1.47
ROXBORO	6.50	9.57	12,595	1.87

Schedule 9

DUKE ENERGY PROGRESS

ANALYSIS OF OIL PURCHASED

MAY 2019

	ASHEVILLE	BRUNSWICK	HARRIS	MAYO	ROBINSON	ROXBORO
VENDOR	Indigo	Hightowers Petroleum Co.	Hightowers Petroleum Co.	Greensboro Tank Farm	Hightowers Petroleum Co.	Greensboro Tank Farm
SPOT/CONTRACT	Contract	Contract	Contract	Contract	Contract	Contract
SULFUR CONTENT %	0	0	0	0	0	0
GALLONS RECEIVED	409,124	14,954	15,207	208,640	7,427	201,241
TOTAL DELIVERED COST	$ 844,702	$ 25,422	$ 33,690	$ 431,388	$ 12,626	$ 415,902
DELIVERED COST/GALLON	$ 2.06	$ 1.70	$ 2.22	$ 2.07	$ 1.70	$ 2.07
BTU/GALLON	138,000	138,000	138,000	138,000	138,000	138,000

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
June, 2018 - May, 2019
Nuclear Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Brunswick 1	7,613,247	938	92.65	93.63
Brunswick 2	6,502,806	932	79.65	82.86
Harris 1	8,624,626	945	104.16	99.99
Robinson 2	5,282,885	741	81.39	78.67

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
June, 2018 through May, 2019
Combined Cycle Units

Unit Name		Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Lee Energy Complex	1A	1,413,677	225	71.72	79.47
Lee Energy Complex	1B	1,410,994	227	70.96	78.48
Lee Energy Complex	1C	1,433,090	228	71.75	78.12
Lee Energy Complex	ST1	2,824,200	379	85.07	90.46
Lee Energy Complex	Block Total	7,081,961	1,059	76.34	82.90
Richmond County CC	7	1,241,584	191	74.18	82.11
Richmond County CC	8	1,233,442	191	73.69	82.04
Richmond County CC	ST4	1,391,617	178	89.30	90.73
Richmond County CC	9	1,268,966	216	67.06	73.54
Richmond County CC	10	1,273,339	216	67.30	73.02
Richmond County CC	ST5	1,644,650	248	75.70	80.47
Richmond County CC	Block Total	8,053,598	1,240	74.14	79.91
Sutton Energy Complex	1A	1,226,524	224	62.51	75.25
Sutton Energy Complex	1B	1,201,961	224	61.25	71.72
Sutton Energy Complex	ST1	1,336,964	271	56.32	70.59
Sutton Energy Complex	Block Total	3,765,449	719	59.78	72.39

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
June, 2018 through May, 2019

Intermediate Steam Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Mayo 1	1,190,456	746	18.22	68.61
Roxboro 2	1,299,322	673	22.04	80.08
Roxboro 3	1,482,164	698	24.24	58.77
Roxboro 4	2,303,610	711	36.99	72.06

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
June, 2018 through May, 2019
Other Cycling Steam Units

Unit Name		Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Operating Availability (%)
Asheville	1	716,847	192	42.62	94.78
Asheville	2	595,166	192	35.39	93.68
Roxboro	1	654,623	380	19.67	92.95

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
June, 2018 through May, 2019
Combustion Turbine Stations

Station Name	Net Generation (mWh)	Capacity Rating (mW)	Operating Availability (%)
Asheville CT	401,559	370	75.28
Blewett CT	-273	68	98.21
Darlington CT	161,248	811	91.62
Richmond County CT	2,924,611	934	88.61
Sutton Fast Start CT	182,208	98	86.78
Wayne County CT	298,978	963	95.82
Weatherspoon CT	165	164	94.33

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data

Twelve Month Summary
June, 2018 through May, 2019
Hydroelectric Stations

Station Name	Net Generation (mWh)	Capacity Rating (mW)	Operating Availability (%)
Blewett	32,151	27.0	29.22
Marshall	-329	4.0	0.15
Tillery	298,671	84.0	92.92
Walters	491,164	113.0	75.99

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.